HAUFTOVA, D.; SEIDLOVA, V.; SLAVICEK, J.; MIMARIKOVA, E.; VALACH, V.

Wilson's disease without neurological symptoms. Vnitrmi lek. 11 no.2:105-112 F *65

1. I. vnitrní klinika Palackeho University v Olomouci (prednosta prof. MUDr. P. Ink.); Detska klinika Palackeho University v Clomouci (prednosta: prof. MUDr. J. Ihotak); Ustrední biechemicke laboratore FN v Olomouci (prednosta: MUDr. R. Podivinsky) a Ustav patologicke anatomie lekarske fakulty Palackeho University v Olemouci (prednosta doc. MUDr. V. Valach).

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CZECHOSLOVAKIA

SLAVICEK, J.; MATOUS-MALBOHAN, I.; MOUREK, J.; Department of Physiology, Faculty of General Medicine of Charles University (Fysiologicky ustav fak. vseob. lek. KU), Prague.

"Direct Effect of Epinephrine and Insulin on Olycide Metabolism in Rat Central Nervous System; Ontogenetic Aspects."

Prague, Ceskoslovenska Fysiologie, Vol 14, No 5, Oct 1965; p 366-367.

Abstract: Epinephrine and insulin added to media in cerebral cortex, medulla, or cerebellum of 5 to 10 day old or adult rats did not affect glucose utilization or glycogen level. 4 Western references. Paper presented at the 15th Physiology Days, Olomouc, 28 May 65.

1/1

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"Practical methods for solution of partial differential equations" by J. Legras. Reviewed by Oldrich Slavicek.
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SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

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1. Vyzkumny ustav makromolekularni chemie, Brno.

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1. Fyziologicky stav FVL University Karlovy, Praha (predmosta: prof. MUDr. F. Karasek, DrSc.).

Czechowikia CA: 7:10848

with E. SLAVICEK

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Listy Sukrovar. 66, 137-8 (1949-50); Sugar Ind. Abstr. 12, 85(1950); cf; Listy Suktovar. 66, 97-9 (1949-50); C.A. 43, 7272a.

SLAVICKOVA, A.

Czechoslovakia

CA:47:11776

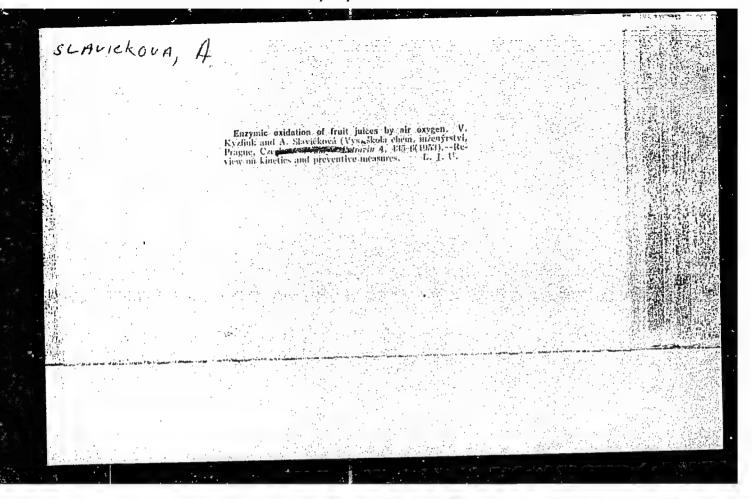
"Determination of amino acids and their amides in beets and sugarfactory products."

Listy Cukrovar. 66, 185-7(1949-50); Sugar Ind. Abstr. 12, 139(1950)

Slavickova, ANNZ

Kinetics of enzymic decomposition of pectins. Anna Slavickova. Prace. Moravskoslesske Akad. ved Privament 74, 75-103(1952).—A math. analysis is presented of the decrease in viscosity (I) accompanying the action of compectinase prepns. on solns. of pectin in apple juice. The equations of Owens, et al. (C.A. 40, 5980) for the relations between intrinsic I (9) and specific I and between mol. wt. (M) and I are used in conjunction with the equation of Durfee and Kertess (C.A. 34, 4325) for computing the avmol. wt. in the decompn. of a linear polymer. The v of a pectin soln. is given by: $v_1 = 1.528 \times 10^{-1} V^{1.6}$, where V, the no. of bonds in the polymer, is M/m = M/185; m is the mol. wt. of a single unit in the pectin polymer. From this is

obtained a formula for calcy, the reaction velocity based on viscosimetric measurements. Under the assumption of equal probability for the position of splitting, the no. of x bonds split is related to the no. (V_0-1) of the original bonds and to the av. degree of polymerization V_a (by wt.) after the reaction by, $x=2(V_0-V_a)/(V_a+1)$. The monomol, reaction const. is $K=1/i \ln (V_0-1)(V_a+1)/(V_a-1)$ (V_a-1-1) (V_a+1). It the polymer is assumed to split into chains of equal length, then $x=(V_0-V_a)/V_a$ and $k=1/i \ln V_a/V_0-1)/V_a/V_a-1$. An approx. relation between K and k is K=2k. The initial reaction velocity based on the decrease in I according to the above formulae at different concus. of enzyme and substrate was detd. The calcd-reaction velocity after a short period of initial increase is const. (observed until about 2% of original bonds are split). The quantity of split bonds calcd. from the decrease in I agrees with Kertesz's (C.A. 33, 8048) analytical data on the no. of bonds at a similar decrease in I. In satisfactory com. prepns. of pertinase the rate of splitting is directly proportional to their concn. Poorer prepns, manifest diminution of the activity with increasing concus, which is likely to be caused by an insufficient ant. of pectase. With increasing concus, of pecting the strength of the concus of the concus from 0.023 up to 0.25 g./100 ml. the two-phase resetion mechanism occurs similar to other hydrolytic enzymes. The Michaelis-Menten coust. in apple juice at 20° was 0.032 g./100 ml. A graphic method for direct reading of pecto-lytic power from the decrease in I after 6 hrs. of action of the enzyme on a pectin soln of standard compn. is described.



Slavickova, A.

Slavickova, A. Determining the jelly-producing capacity of pectin. p. 20.

Vol. 8, no. 1, 1957. PRUMYSL POTRAVIN TECHNOLOGY Czechoslovakia

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CHECHOSLOV.RE./Chendeal Technology. Chemical Products and Their 17-28 Application. Food Industry.

Lbs Jours Ref Zhur-Mhin, h 2, 1959, 6319.

Author : Slavickova, L.

Inst

: Correction of Paper "Determination of Jellying Capacity Title

of Pectin".

Orig Pub: Pricysl. potrevin, 1957, 8, No 7, 355.

Abstract: To RZMKnin, 1957, 65031.

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127

CIA-RDP86-00513R001651310005-9" APPROVED FOR RELEASE: 08/25/2000

SLATIT, n.

"Tetermining motion points in complex mechanisms by intorducing fictitious forces at the motion points."

SBORNIK VEDECKYCH PRACI, Ostrava, Czechoslovakia, Vol. 4, No. 5, 1958.

Monthly List of Ea t European Accessions (Al), L1, Vol. 8, No. 9, September 1959. Unclassified.

The rate of osmosis of various tree types as an indication of their suitableness to growth in various localities [with summary in German]. Chekh. biol. 1 no.2:225-235 '52. (NLRA 6:12)

1. Tsentral'nyy institut biologii, fisiologiya rasteniy, Praha.
(Osmosis) (Trees)

CZECHOSLOVAKIA / Forest Science. Biology and Typology of Trees. K-2

: Ref. Zhur - Biologiya, No 17, 1958, No. 77479

Abs Jour : Slavik, Bohdan; Slavikova, Jirina; Jonik Jan

Author

: Ecological Conditions of Restoration on Clearcuttings Tnst Title

in Mixed Forests

: Rozpr. CSAV. Rada MPV, 1957, 67, No 2, 1-155 Orig Pub

: Investigations were carried out in the dry forest type in the central part of Chekhia in mature mixed (oak, beech, Abstract larch, hornbeam, pine, fir) plantations. The detailed

characteristic is cited on the spread of precipitation on the clearcuttings, changes of relative humidity of the air in comparison with conditions under cover, intensivity of insulation, light and temperature cycle, evaporation and transpiration, microbiological processes in the soils of the clearing, changes in the composition of the grass

Card 1/3

h

CIA-RDP86-00513R001651310005-9" APPROVED FOR RELEASE: 08/25/2000

Graphic determination of the intensity of stomatal and cuticular transpiration in plants. p. 347.

Praha, Czechoslovakia. Vol. 7, no. 5, Sept. 19:8.

Monthly List of East European Accessions (EEAI), LC. Vol. 9, no. 2. Feb. 1960.

Uncl.

Gradients of osmotic pressure of cell sap in the area of one-leaf blade. I_n English. p. 39

BIOLOGIA PLANTARUM. (Ceskoslovenska akademie ved. Biologicky ustav) Praha, Czechoslovakia, Vol. 1, no. 1, 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959 Uncl.

The relation of the refractive index of plant-cell sap to its osmotic pressure. In English. p. 48

BIOLOGIA PLANTAHUM. (Ceskoslovenska akademie ved. Biologicky ustav) Praha, Czechoslovakia, Vol. 1, no. 1, 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1999 $U_{\rm n}$ cl.

Z/037/60/000/04/004/014

Apparatus for Continuous Measurement of the Variation of the

intensities are determined from the sum of both sets of apparatus. The duplication of the apparatus is intended Intensity of Cosmic Radiation to ensure continuous measurement and also to enable verification of the data measured by the two sets of Both the cubic telescope and the neutron monitor are described; the block schematics of these monitor are described; the block schematics of these are given in Figs 1 and 2. The authors also describe practical experience gained with using this apparatus. It was found that for some parts of the apparatus it is desirable to use designs differing from those recommended by C5AGI (Refs 1 and 3), particularly due to the differing properties of some of the electronic components and counters. Without the Intervention of the operator continuous faultless operation of the apparatus can be maintained for about a week. The occurring disturbances are mainly due to changes in the settings of the discriminators, the quenching circuits and the amplifiers in the neutron monitor caused by ageing of b

card 2/4

Z/037/60/000/04/004/014 E073/E535

Apparatus for Continuous Measurement of the Variation of the Intensity of Cosmic Radiation

the electron tubes. In the case of systematic checks, failures are likely to occur only in one set of apparatus so that the appropriate data can be obtained by extrapolating the results from the other set of apparatus. It was found that the characteristics of the miniature tubes produced by TESLAT (Czechoslovakia) varied considerably during the first few days of operation and, therefore, they could be used only in The service life of the the less critical circuits. telephone electro-mechanical counters varied greatly and was about five million pulses. Originally film cameras of the type "Admira 8 mm" were used for the photo recording but these did not prove satisfactory, since the mechanism was fully worn out after a few tens of thousands of individual exposures. Fig 3 shows recordings of the differences in the intensity of the penetrating component of the cosmic radiation obtained

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Z/037/60/000/04/004/014 E073/E535

Apparatus for Continuous Measurement of the Variation of the Intensity of Cosmic Radiation

by means of the cubic telescopes in Prague during the two days of November 12, 1958 and December 10, 1959. Acknowledgments are expressed to Academician J. Novák. Chairman of the Czechoslovak I.G.Y. Committee for his encouragement and to Professor Doctor V. Petržílka and Corresponding Member of the Czechoslovak Academy of Sciences Doctor P. Chaloupka for their initiative and cooperation and also to Doctor J. Pernegr and M. Votruba for their useful suggestions and criticisms. There are 3 figures and 5 references, 2 of which are Czech and 3 English.

ASSOCIATION: Fysikální ústav ČSAV, Praha (<u>Physics Institute</u>, Czechoslovak Academy of Sciences, Prague)

SUBMITTED: December 31, 1959

Card 4/4

SLAVIK, Bohdan; CATSKY, Jiri

Differential measurement infrared analyzer with an air-conditioned exposure chamber for photosynthetic rate measurements. Biologia plantarum 5 no.2:135-142 '63.

1. Institute of Experimental Botany, Czechoslovak Academy of Sciences, Praha 6 - Dejvice, Na cvičisti 2.

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Distribution pattern of the transpiration rate, water saturation deficit, atomata number and size, photosynthetic and respiration rate in tobacco leaf blades. Biologia plantarum 5 no.2:143-163.

1. Department of Plant Physiology, Institute of Experimental Botany, Czechoslovak Academy of Sciences.

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Coating materials and coatings suitable for moist and watery environment. Tech praca 16 no.5:Suppl:Naterove hmoty a natery 16 no.5:insert My '64.

SLAVIK, B., Josef

Second conference of the Czechoslovak Academy of Sciences on Academy of Italice. Vestnik CSAV 71 no.5:512-515 162.

JLATE, .

Liquid fuel in the ceramics industry. p. 413

STAVIVO (inisterstvo stavebnictvi) Vol. 34, No. 11, Nov. 1956

Praha, Czechoslovakia

SCURCE: East European List (EFAL) Library of Congress, Vol. 4, No. 1, January 1957

SLAVIK, C.F., inz., nositel Radu prace (Brno)

First electric tunnel kiln of Czechoslovak design. Sklar a keramik 12 no.4:123-124 Ap '62.

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Slavik, F. Outlook in some branches of fine ceramics. p. 72.

Vol. 7, no. 3, Mar. 1957 SKLAR A KERAMIK TECHNOLOGY Czechoslovakia

So. East European Accessions, Vol. 6, May 1957
No. 5

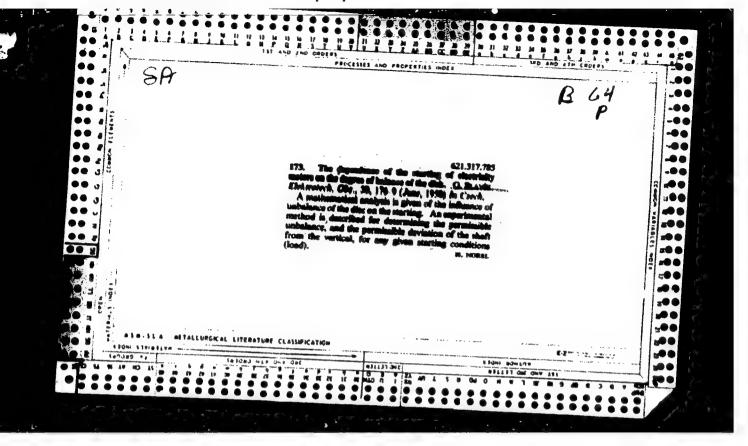
SLAVIK, F., inz.C., nositel Radu prace (Brno)

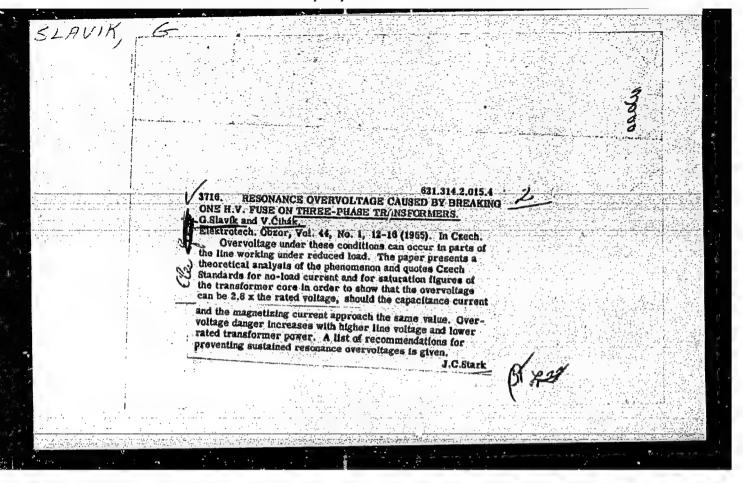
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SLAVIK, FRANTISEK.

Mineralogie. 4, prepracovane a doplnene vyd. Praha, Nakl.Ceskoslovenske akademie ved, 1956. 415p. (Mineralogy. 4th rev. and enl. ed. illus., bibl., indexes)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 12
December 1956





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Resonanzueberspannungen an Drehstrom-Umspannern beim einphasigen Ansprechen von Hochspannungssicherungen.

SO: Elektrotechnische Zeitschrift, 1 February 1956, Unclassified.

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Measuring the output of high-voltage electric motors with a single-phase electrometer. p. 168 ELEKTPOTECHNIK. (Ministerstvo strojirenstvi) Praha. Vol. 11, no. 5, May 1956.

Source: EEAL IC Vol. 5, No. 10 Oct. 1956

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Measuring, control, and test instruments for chemistry. p. 174. ELEKTROTECHNIK. (Ministerstvo strojirenstvi) Praha. Vol. 11, no. 5, May 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

SLATIK, G.; HORA, C.

SLA/IK, G.; HORA, C. Protection of electric motors from overheating. p. 12.

Vol. 12, ns. 1. Jan. 1957 ELEKTROTECHNIK TECHNOLOGY Czechaslavakia

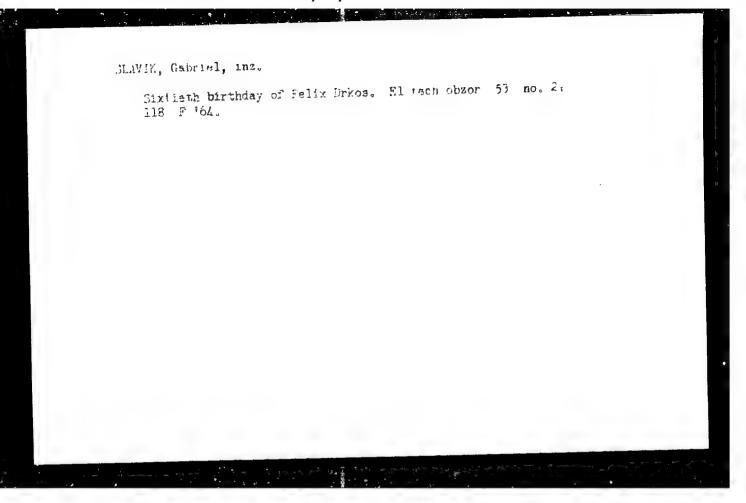
Se: East European Accession, Vol. 6, No. 5, Nay 1957

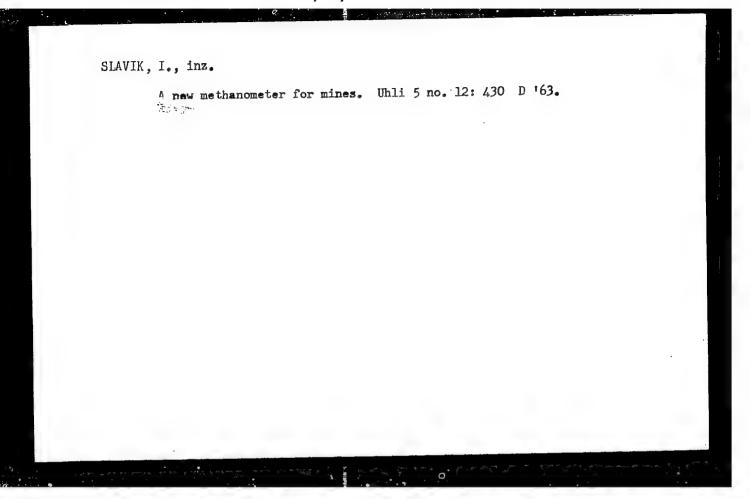
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High-voltage electrical engineering at the 3d Exhibition of the Czechoslovak Machinery Industry in Ermo.

p. 241 (Elektrotechnik) Vol. 12, no. 8, Aug. 1957, Fraha, Gzechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (MEAI) LC, Vol. 7, No. 1, Jan. 1958





SLAVIK, Ivan, inz.

Peculiarities and problems of the mining machine load measurement. Uhli 6 no. 2:72-74 F 164.

1. Vyskumne a vyvojove stredisko pre hnede uhlie, Prievidza.

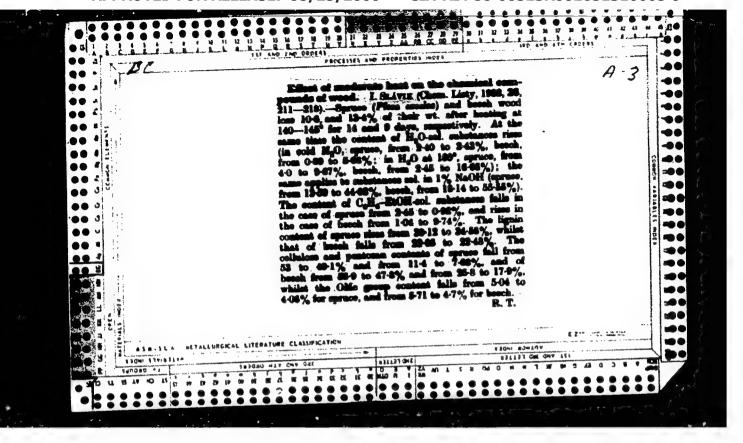
SLAVIK, Ivan, inz.

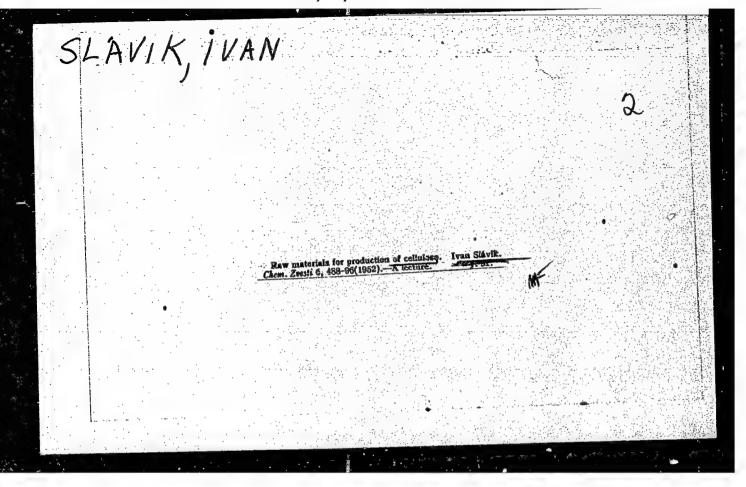
Contribution to the automation of belt conveyers. Uhli 5 no.9:
330 S*63.

SLAVIK, Ivan, inz.

Recording instruments for hydrology. Vodni hosp 14 no.6; 205-206 '64.

1. Research and Development Center of Lignite, Prievidzs.





SLAVIK, J.

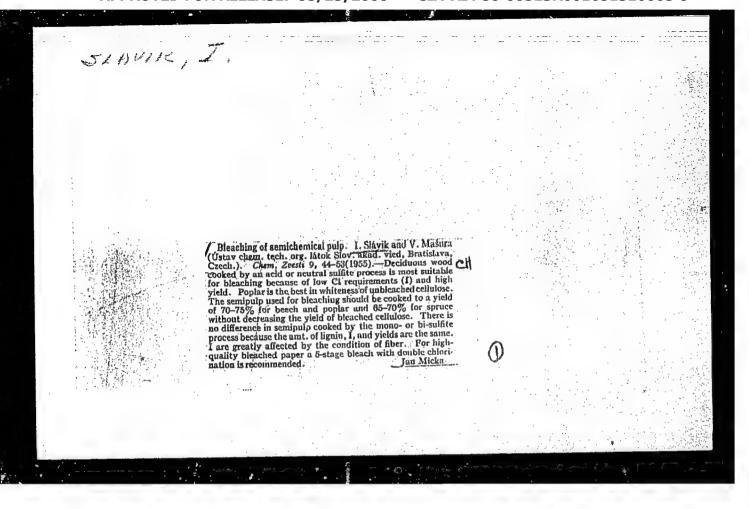
"Problem of estimating viscose cellulose." p. 226. (Papir A Celulosa. Vol. 8, no. 10, Dec. 1953. Praha.)

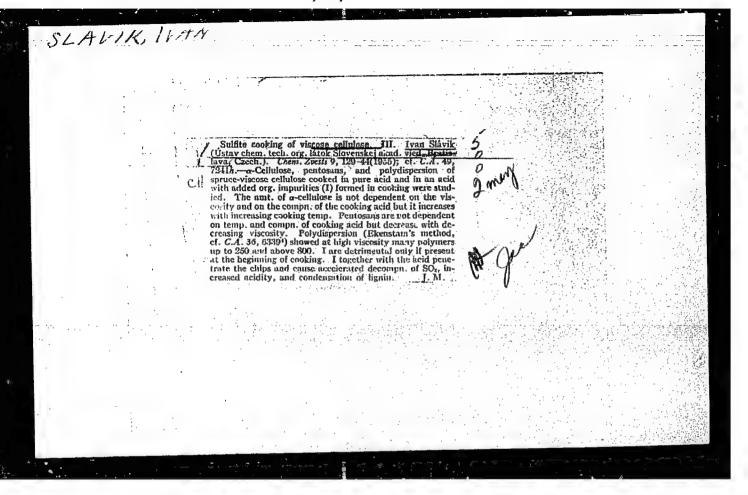
SO: Monthly List of East European Accessions, Vol. 3, no. 6, Library of Congress, June 1954. Uncl.

SLAVIE, I.

"Sulfite cooking of viscose cellulose, II. Low content of lime and contensation of lignin. Chemicke Zvesti, Eratislava, Vol. 8, No. 7, Sept. 1954, p. 438.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

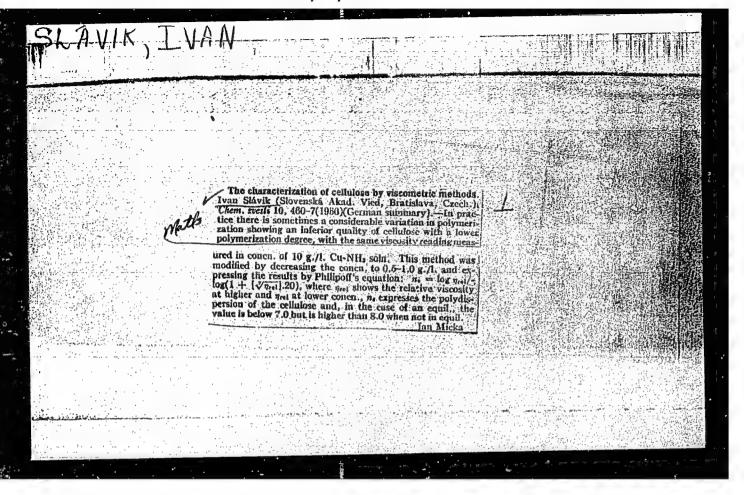




SLAVIK, I.

Sulfite cooking of viscose cellulose. IV. p. 624. CHEMICKE ZVESTI. Bratislava. Vol. 9, no. 10, Dec. 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956.



SLAUIK, I.

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application. Cellulose and Cellulose

H-33

Products. Paper.

Abs Jour : Ref Zhur - Khim, No 3, 1958, 9989

: Slavik, I. Author

: Not given Inst

: Sulfite Pulping for Viscose Cellulose Title

Orig Pub : Papir a celulosa, 1956, 11, No 2, 25-33.

: Measures which will prevent the condensation of lignin in Abstract

the cooking process are considered. It is pointed out that increasing the concentration of the base in the cooking liquor

and prolonging the time of heating is not expedient.

Card 1/1

CZECHOSLOVAKIA / Chemical Technology. Chemical Products
and Their Applications. Callulose and Its
Derivatives. Paper.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 13910.

Author : Slavik, Ivan.

Inst : Not given.
Title : On Sulfite Boiling of Viscose Cellulose. V.

Title : On Suffite Botting or haftuence of Pressure.

The state of the s

Orig Pub: Chem. zvesti, 1957, 11, No 8, 499-507.

Abstract: The influence of pressure on the process of sulfite boiling of cellulose (C) was investigated. The rate of boiling was determined according to the color of the layer of the boiling solution in 1 cm by means of a "Luxmeter." It was established that the rate of boiling depends on the temperature, pressure and concentration of SO₂ in the boiling solution. Under

Card 1/2

APPROVED FOR RECEASE 08925/2000 10 CIA-RDF86-005138001651310005-9" and Their Applications. Cellulose and Tight Derivatives. Paper.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 13910.

Abstract: high pressure, the time of boiling is shortened.
At the end of the process, the boiling rate depends less on the pressure. Indicators of C and its yield do not depend on the pressure during boiling. Final viscosity is determined by the change of color of the spent alkalis during the last blow-off. (For Part IV, see RZhKhim, 1958, 6591.) -- From the author's resume.

SLAVIK, MATTDALTK

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application. Cellulose and Cellulose H-33

Products. Paper.

: Ref Zhur - Khim, No 3, 1958, No 9990 Abs. Jour

: Slavik, Mahdalik Author

: Not given Inst

: The Effect of Viscose Cellulose Drying on its Absorbing Title

Capacity.

Orig Pub : Papir a celulosa, 1957, 12, No 4, 73-77

: The influence of various methods of drying (air drying, Abstract

drying by organic solvents, in a drying chamber, between metallic plates) upon the capacity of cellulose for absorbing alkalies, the linear swelling, and the height of impre-

gnation is described.

Card 1/1

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651310005-9"

CZECHOSLOVAKIA/Chemical Technology. Cellulose and its Derivatives. H

Abs Jour: Ref. Zhur-Khimiya, No 12, 1958, 41829.

Author : Slavik, Magdalik.

: Not given Inst : Drying Effect Upon Viscous Cellulose. II. Drying Effect Title Upon Chemical Properties and Reactivity of Cellulose.

Orig Pub: Papir a cellulosa, 1957, 12, No 5, 97-100.

Abstract: The drying effect upon the average polymerization of dellulose, viscosity, content of alpha-cellulose and reactivity during xanthogenation. The causes of the change in viscous cellulose were investigated, that is, why the properties were changed during dry-

ing at > 120°C in some cases, and remained unchanged

in other cases under similar conditions.

: 1/1 Card

SLAVIK, I.

Effect of drying on dissolving pulp. III. Discussion. p.121. (Papir A Celulosa, Vol. 12, No. 6, June 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

SLAVIK, I.

"Sulfite cooking of viscous cellulose. VI. Decomposition of the cooking acid under higher temperatures as affected by sugars."

Chemicke Zvesti. Bratislava, Czechoslovakia. Vol. 12, no. 12, Dec. 1958.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas

CZECHOSLOVAKIA/Chemical Technology. Chemical H
Products and Their Applications.
Cellulose and Its Derivatives.
Paper.

Abs Jour: Ref Zhur-Khimiya, No 6, 1959, 21810

Author : Kuniak, L.; Slavik, I.

Inst
Title: Delignification of Wood Pulp with Nitric

Acid.

Orig Pub : Papir a celulosa, 1958, 13, No 1, 6-11

Abstract: The outlay of HNO3 (I) during boiling of cellulose (C) and polycellulose from beech wood pulp and the possibility of regeneration of I, were investigated. The quality of C obtained was compared with C obtained

Card : 1/2

1+-1+7

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651310005-9"

CZECHOSLOVAKIA/Chemical Technology - Cellulose and Its Derivatives. Paper. н.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 56060

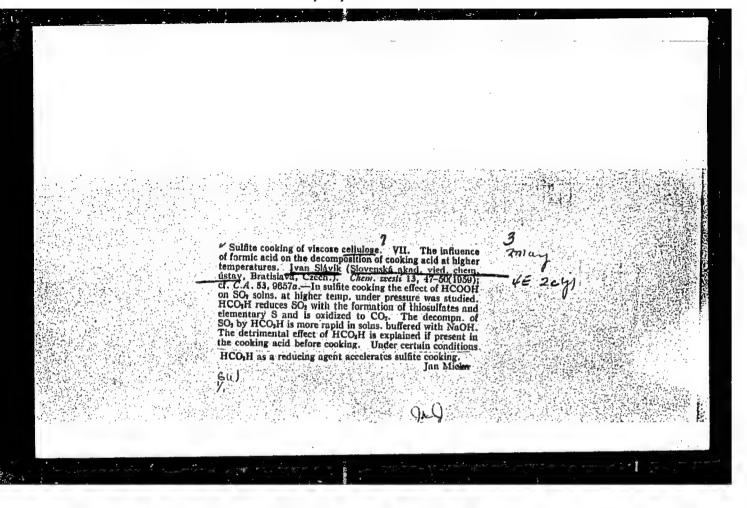
Author : Slavik

Inst : Sulfite pulping of Viscose Cellulose from Wood Pulp of

Leafy Varieties.

Orig Pub : Papir a celulosa, 1958, 13, No 2, 26-31.

Abstract : No abstract.



SLAVIK, I.

Sulfite cooking of viscose cellulose. VIII.

Dependence of the course of cooking-acid decomposition of the shape of the container. p. 186

CHEMICKE ZVESTI. (Slovenska akademia vied a Spolok chemikov na Slovensku Bratislava, Czechoslovakia, Vol. 13, no. 3, Mar. 1959

Monthly List of Past European Accessions, (EEAI) LC, Vol. 8, No. 7, July 1959 Uncl.

SLAVIK, I.; KUNIAK, L.

"Sugar sorghum, a new important raw material for the cellulose industry." P. 102.

PAPIR A CELULOSA. (Ministerstvo lesu a drevarskeho prumyslu). Praha, Czechoslovakia, Vol. 14, No. 5, May 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959. Uncla.

S/081/62/000/015/006/038 B165/B101

AUTHOR:

Slaviček, Ivan

TITLE:

Automatic recording microbalance

FERIODICAL:

Referativnyy zhurnal. Khimiya, no. 15, 1962, 145-146, abstract 15Ye2 (Automatizace, v. 5, no. 2, 1962, 41 - 45)

That: An automatic recording microbalance with photoelectric converter, emplifier and rectifier is described, with electromechanical and block diagrams. The balance can be used at a temperature of up to 300°C. The permissible error of the EK compensating recording instrument is 0.5%. [Abstracter's note: Complete translation.]

Card 1/1

SLAVIK, Ivan, inz. (Bratislava, Lamacska 5)

Sulphite pulping. Part 15: Effect of xylose on the decomposition of sulphur dioxide solution. Chem zvesti 16 no.1/2:135-139
Ja-F '62.

1. Ceskoslovenska akademie ved, Ustav dreva, celulozy a chemickych vlakien Slovenskej akademie vied, Bratislava.

SLAVIK, Ivan, inz. (Bratislava, Lamacska 5)

Sulfite pulping of viscose cellulose. Part 14: Effect of polythionates on decomposition of pulping solutions and the course of pulping. Chem zvesti 15 no.6:456-461 Je 61.

1. Ustav dreva, celulozy a chemických vlakien, Slovenska akademia vied, Bratislava.

SLAVIK, Ivan, inz.

Effect of inorganic catalysts in the sulfite pulping process. Papir a celulosa 18 no.10:195-200 0 '63.

1. Chemicky ustav, Slovenska akademia vied, Bratislava.

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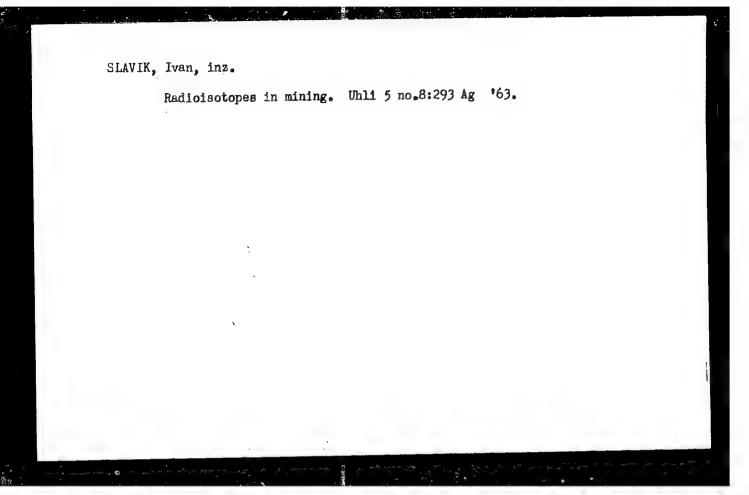
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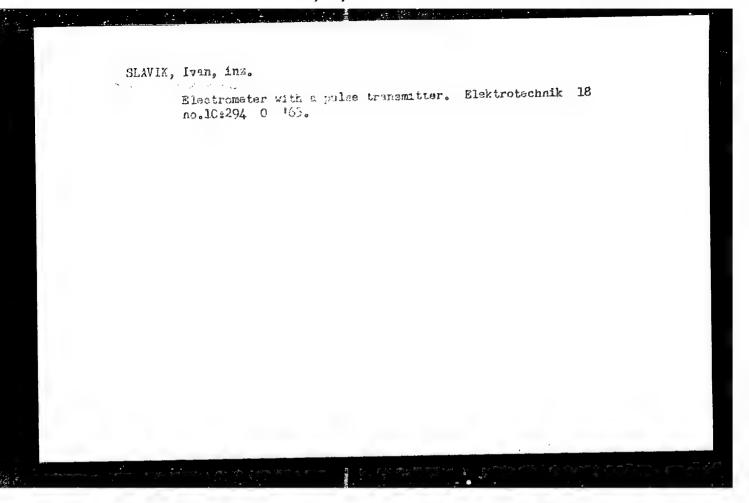
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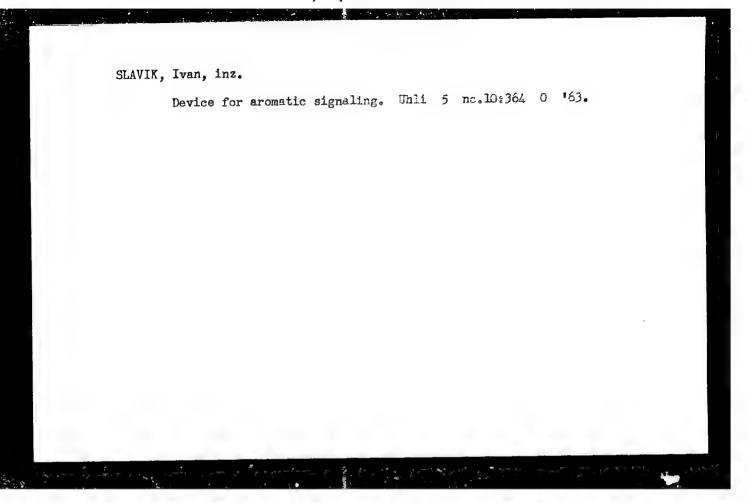
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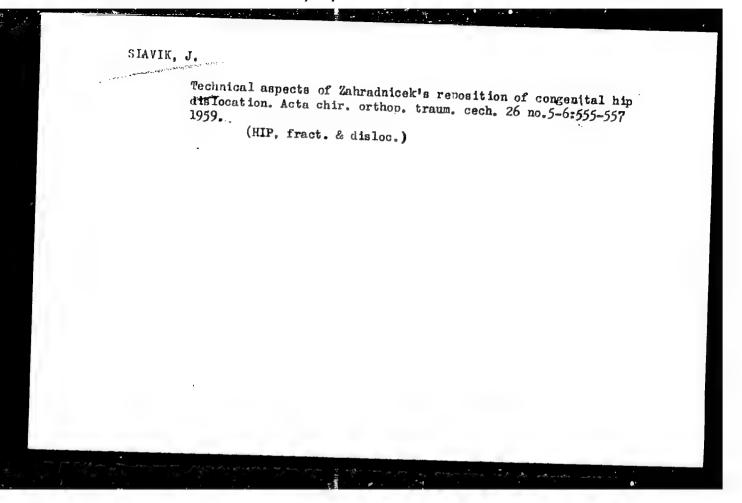
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